

Tucson IAP (ANG) Wastewater Collection System

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J8 Tucson IAP (ANG) Wastewater Collection System

J8.1 Tucson IAP (ANG) Overview

Tucson IAP (ANG) is located in the southern part of Tucson, Arizona wedged between Interstates 10 and 19. It's home to the 162nd Fighter Wing whose mission in peacetime is to provide F-16 training for Air Force, Air National Guard, Air Force Reserve, and foreign aircrews and in wartime to continue combat aircrew training and provide filler forces in direct support of war operations. The base encompasses 94 acres and contains 36 buildings; 35 industrial and 1 administrative with a total of approximately 530,000 square feet. There is no family or transient housing. The day-to-day base population is approximately 1000 personnel; however, one weekend each month the population surges to 1600 in response to Air National Guard drills.

J8.2 Wastewater Collection System Description

J8.2.1 Wastewater Collection System Fixed Equipment Inventory

The Tucson IAP (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, manholes, and lift stations. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

- Oil Water Separators
- Grease Traps

J8.2.1.1 Description

The wastewater collection system at the Tucson IAP (ANG) consists of wastewater gravity piping and force main piping and is aided by three internal lift stations on the base. Wastewater exits the base at three separate locations. The wastewater collection system consists of approximately 4,500 linear feet of 2 to 6-inch PVC pipe and 2,400 linear feet of 6 to 8-inch vitrified clay pipe. Pipe depths range from 4 to 18 feet (average depth is 12 feet). There are 10 brick and 9 pre-cast concrete manholes ranging from 10 to 12 feet in depth. Base personnel indicate the current capacity of the wastewater collection system is adequate for expected future demand.

J8.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Tucson IAP (ANG) Wastewater Collection System included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System Tucson IAP (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe				
- Force Main	2	186	LF	1998
- Force Main	2	611	LF	1988
- Force Main	4	365	LF	1994
	4	178	LF	1998
	4	194	LF	1990
	6	308	LF	1997
	6	91	LF	1988
	6	203	LF	1990
	6	550	LF	1994
	8	956	LF	1998
	8	539	LF	1989
	8	298	LF	1990
Vitrified Clay Pipe				
	6	438	LF	1958
	8	1965	LF	1958
Standard Sanitary Sewer Manhole				
- Brick, 12 Feet Deep		10	EA	1958
- Precast, 12 Feet Deep		5	EA	1988
- Precast, 12 Feet Deep		2	EA	1989
- Precast, 12 Feet Deep		1	EA	1990
- Precast, 12 Feet Deep		1	EA	1998
Wastewater Lift/Pump Station				
- Lift Station #1, 8x8x16, 2-2hp pumps		1	EA	1994
- Lift Station #2, 8x8x16, 2-1.5hp pumps		1	EA	1998
- Lift Station #3, 6x6x8, 1-1hp pump		1	EA	1998
Pumps				
- Lift Station #1, duplex submersible, audible light and buzzer, automatic controls located in Bldg 10 mechanical room, 4-inch force main	2hp	2	EA	1994
- Lift Station #2, duplex, audible light and	1.5hp	2	EA	1998

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
buzzer, automatic controls located on south side of Bldg 34, 4-inch force main				
- Lift Station #3, single, audible light and buzzer, automatic controls located in Bldg 28 mechanical room, 2-inch force main	1hp	1	EA	1998
Notes: PVC = Polyvinyl Chloride LF = Linear Feet EA = Each hp = horsepower No known warning/tracer tape used				

J8.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Wastewater Collection System Tucson IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Tucson IAP (ANG)

Description	Quantity	Location	Maker
None			

J8.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System Tucson IAP (ANG)

Item Description	Remarks
Sanitary Sewer Master Plan, dated Mar 1986, revised Jul 1994	No AutoCAD drawings are available

J8.3 Specific Service Requirements

The service requirements for the Tucson IAP (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J8.4 Current Service Arrangement

- Current Provider: Pima County Wastewater Management
- Average Annual Usage: 13,667 kgals
- Maximum Monthly Use: 1,370 kgals
- Minimum Monthly Use: 591 kgals

J8.5 Secondary Metering

None

J8.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J8.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None

J8.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Tucson IAP (ANG) boundaries.

J8.9 Off-Installation Sites

No off-installation sites are included in the sale of the Tucson IAP (ANG) Wastewater Collection System.

J8.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 5** provides a listing of service connections and disconnections required upon transfer.

TABLE 5
Service Connections and Disconnections
Wastewater Collection System Tucson IAP (ANG)

Location	Description
Lift Station #1	The wastewater contractor will be responsible for completely removing the Lift Station #1 electrical controls and appurtenances from the mechanical room in Bldg 10 and relocating them adjacent to Lift Station #1.
Lift Station #3	The wastewater contractor will be responsible for completely removing the Lift Station #3 electrical controls and appurtenances from the mechanical room in Bldg 28 and relocating them to the north face of Bldg 28.

J8.11 Government Recognized System Deficiencies

Table 6 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Tucson IAP (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 6
System Deficiencies
Wastewater Collection System Tucson IAP (ANG)

Project Location	Project Description
None	